

AMENDMENTS TO THE CLAIMS

1. (Cancelled)

2. (Currently amended) A seamless integrated network system for radio systems according to Claim 1 9, ~~characterized in that a~~ wherein the mobile host in said basic access network comprises:

~~only a basic access component, or comprises the basic access component, as well as~~

a radio module that can be connected to at least two other radio systems, a locator, a controller, and a user interface, and

the basic access component is formed by software radio or hardware.

3. (Currently Amended) A seamless integrated network system for radio systems according to Claim 1 9, ~~characterized in that~~ wherein:

said basic access network has transmission base stations and reception base stations disposed therein;

each of said transmission base stations transmits downlink data to the basic access component provided in the mobile host located in an area within a radius of several to several tens of kilometers of the transmission base station, and

each of said reception base stations receives uplink data from the basic access component provided in the mobile host located in an area within a radius of several to several tens of kilometers of the reception base station.

4. (Currently Amended) A seamless integrated network system for radio systems according to Claim 2, ~~characterized in that~~ wherein:

said basic access network has transmission base stations and reception base stations disposed therein;

each of said transmission base stations transmits downlink data to the basic access component provided in the mobile host located in an area within a radius of several to several tens of kilometers of the transmission base station, and

each of said reception base stations receives uplink data from the basic access component provided in the mobile host located in an area within a radius of several to several tens of kilometers of the reception base station.

5. (Currently Amended) A seamless integrated network system for radio systems according to Claim 1 ~~9~~, ~~characterized in that~~ wherein:

said basic access network has at least one, a combination, or all of:

a function for invoking said mobile host;

a function for processing a notification of locational information from said communication terminal;

a function for notifying said mobile host of minimum information based on the locational information and required to find a radio system; and

a function for supporting minimum information particularly required by the mobile host to perform handover with a heterogeneous radio system.

6. (Currently Amended) A seamless integrated network system for radio systems according to Claim 2, ~~characterized in that~~ wherein:

said basic access network has at least one, a combination, or all of:

a function for invoking said mobile host;

a function for processing a notification of locational information from said communication terminal;

a function for notifying said mobile host of minimum information based on the locational information and required to find a radio system; and

a function for supporting minimum information particularly required by the mobile host to perform handover with a heterogeneous radio system.

7. (Currently Amended) A seamless integrated network system for radio systems according to Claim 3, ~~characterized in that~~ wherein:

said basic access network has at least one, a combination, or all of:

a function for invoking said mobile host;

a function for processing a notification of locational information from said communication terminal;

a function for notifying said mobile host of minimum information based on the locational information and required to find a radio system; and

a function for supporting minimum information particularly required by the mobile host to perform handover with a heterogeneous radio system.

8. (Currently Amended) A seamless integrated network system for radio systems according to Claim 4, ~~characterized in that~~ wherein:

said basic access network has at least one, a combination, or all of:

a function for invoking said mobile host;

a function for processing a notification of locational information from said communication terminal;

a function for notifying said mobile host of minimum information based on the locational information and required to find a radio system; and

a function for supporting minimum information particularly required by the mobile host to perform handover with a heterogeneous radio system.

9. (New) A network system that seamlessly integrates heterogeneous radio systems, comprising:

a basic access network providing a common control/signaling channel to communicate with participant networks in the network system;

two or more wireless communication service systems; and

a common core network connected to the basic access network and the wireless communication service systems;

the basic access network enabling communication between a basic access component provided in a mobile host as a network access means and widely deployed basic access network base stations, and establishing a basic access network channel implemented together with a two-way radio interface; and

a basic access network protocol being used between the basic access network and the common core network as an integrated protocol.